

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 7,073,453 B2
APPLICATION NO. : 10/804833
DATED : July 11, 2006
INVENTOR(S) : James T. Frazer et al.

Page 1 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 2, Title Page, item 57, Line 9 reads "The bridges (21,22) each move transversely and vertically with the stitching elements (90) on each bridge can operate at different speeds." and should read --The bridges (21,22) each move transversely and vertically and the stitching elements (90) on each bridge can operate at different speeds--.

Column 1, line 54, reads "quilting of 360 degrees patterns on" and should read --quilting of 360 degree patterns on--.

Column 1, line 62, reads "is controlled to affect the quilting of various" and should read --is controlled to effect the quilting of various--.

Column 4, line approx. 11-12, reads "formations of...is described in detail in" and should read --formations of...are described in detail in--.

Column 6, line 50, reads "one preferred embodiment of..., provides" and should read --one preferred embodiment of...provides--.

Column 8, line 35, reads "one embodiment of..., provides a..." and should read --one embodiment of... provides a--.

Column 8, line approx. 44-45, reads "the stitching elements, particularly..., of... is driven by a servo motor,..." and should read --the stitching elements, particularly..., of... are driven by a servo motor,--.

Column 10, line 3-4, reads "when the needle is in contact with the needle,..." and should read --when the looper is in contact with the needle,--.

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Page 2 of 5

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Column 10, line 13 reads "each of the devices are separately operable." and should read --each of the devices is separately operable--.

Column 10, Line 38 reads "motion of the needle and looper proceeding separately upon startup so" and should read --motion of the needle and looper proceed separately upon startup so--.

Column 13, line 15 reads "with a moving bridges and" and should read --with moving bridges and--.

Column 16 line 59 reads "height of 0.0 inches, which" and should read --height of 0.0 inch, which--.

Column 17, line 1 reads " needle penetrates the region 803 occupied" and should read --needle penetrates the region 703 occupied--.

Column 17, line 4 reads "approximately 0.5 inches from" and should read --approximately 0.5 inch from--.

Column 17, line 6 reads "facing layer of the material 12 spaced the region" and should read --facing layer of the material 12 is spaced by the region--.

Column 17, line 7 reads "approximately 0.75 inches from" and should read --approximately 0.75 inch from--.

Column 19, line 48 reads "locking lug..., is mounted on a" and should read --locking lug...is mounted on a--.

Column 21, line 13 reads "in FIGS. 3F-31, as the" and should read --in FIGS. 3F-3I, as the--.

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Page 3 of 5

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Column 23, line 54 reads "on which the drive assembly 226 and 210 are mounted in" and should read --on which the drive assembly 226 and clutch 210 are mounted in--.

Column 25, line 17 reads "direction other then the direction to" and should read --direction other than the direction to--.

Column 27, line 46 reads "FIG. 5C illustrates the state of the top" and should read --FIG. 5E illustrates the state of the top--.

Column 28, line 42 reads "an arc, a triangle a combination of a line and an arc or some other" and should read --an arc, a triangle, a combination of a line and an arc or some other--.

Column 30, line 45 reads "to affect the spacing the looper thread tail and the looper in such a way that" and should read --to affect the spacing of the looper thread tail and the looper in such a way that--.

Column 30, line 49 reads "structure as...improve the..." and should read --structure as...improves the--.

Column 31, line 37 reads "Each of the...are separately and..." and should read --Each of the...is separately and--.

Column 31, lines 65-66 reads "move the platforms 41 on the...sides each bridge 21,22 in..." and should read --to move the platforms 41 on the...sides of each bridge 21,22 in--.

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Page 4 of 5

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Column 32, line 48-49 reads "from its center position." and should read --from its center position)--.

Column 33, line 54 reads "while driven pulley 609, is also driven by" and should read --while driven pulley 609 is also driven by--.

Column 35, lines 11-13 reads "separate drives 67 and 69 facilitate..., plus is useful for other..." and should read --separate drives 67 and 69 facilitate..., plus are useful for other--.

Column 40, line 64 reads "Then the diamonds and circles of...panel being sewn." and should read --Then the diamonds and circles of... panel are being sewn--.

Column 45, line 63 reads "and vice verse" and should read --and vice versa--.

Column 46, line 19 reads "bridges 22, 22 slide" and should read --bridges 21, 22 slide--.

Column 51, lines 40-43 reads "to stitch a selected pattern as the substrate by sewing with both groups of stitching elements simultaneously or by selectively sewing with stitching elements of one group while without sewing with stitching elements of the other group" and should read --to stitch a selected pattern on the substrate by sewing with both groups of stitching elements simultaneously or by selectively sewing with stitching elements of one group without sewing with stitching elements of the other group--.

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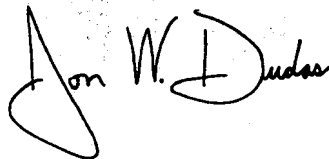
Page 5 of 5

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 52, lines 49-50 reads "to feed the substrate in vertically a vertical plane relative to the frame" and should read --to feed the substrate in a vertical plane relative to the frame--.

Signed and Sealed this

Fourth Day of September, 2007

A handwritten signature in black ink, appearing to read "Jon W. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "D".

JON W. DUDAS
Director of the United States Patent and Trademark Office